

Lab 1. Physical and Chemical Changes Lab

Purpose: To identify physical and chemical changes through different experiments.

Procedure:

Experiment A

1. Dissolve a small amount of copper sulfate pentahydrate in water(no more than 1.2cm deep).
2. Holding the test tube with a test tube holder, strongly heat the mixture over a Bunsen burner flame. Make sure that the mouth is directed at a wall, away from other people.
3. Continue heating until a residue remains and the color changes.
4. Allow the substance to cool.
5. Add approximately 10ml of water to the test tube.
6. Pour the solution into the waste container provided.

Experiment B

1. Place a test tube into a test tube rack.
2. Place HCl into the test tube(~2cm deep of HCl).
3. place a 1.5cm piece of magnesium ribbon into the HCl.
4. Pour Mg/HCl waste into the container.

Experiment C

1. Dissolve a scoop of Epsom salts into 50ml of water in a 250ml beaker and stir to dissolve.
2. Add 3 droppers full of household ammonia. Do not drink.
3. Pour the solution down the drain. clean/dry the equipment.

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